PERMIT AMENDMENT NO. 2621-103-0007-V-06-1
ISSUANCE DATE:

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit Amendment

Facility Name:	**Georgia-Pacific Savannah River LLC**
Facility Address:	**437 Old Augusta Road South** **Rincon, Georgia 31326 Effingham County**
Mailing Address:	**437 Old Augusta Road South** **Rincon, Georgia 31326-0828**
Parent/Holding Company:	**Georgia-Pacific Consumer Operations LLC**
Facility AIRS Number:	**04-13-103-00007**

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a construction permit for:

Installation of 285 MMBtu/hr natural gas fired Boiler No. 7 (Source Code BO07), modification of existing Boiler No. 3 (Source Code BO01) to burn additional wastewater treatment residuals (WWTR) and natural gas with existing permitted fuels, modification of existing Boiler No. 5 (Source Code BO03) to burn only WWTR and natural gas, and miscellaneous support changes including silos, a new WWTR steam dryer, and a new ammonia tank.

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Amendment and Permit No. 2621-103-0007-V-06-0. Unless modified or revoked, this Amendment expires upon issuance of the next Part 70 Permit for this source. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. 873390 dated October 14, 2024; any other applications upon which this Amendment or Permit No. 2621-103-0007-V-06-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **38** pages.

STATE OF GEORGIA
CONSTITUTION
WISDOM
JUSTICE
MODERATION
1776

DRAFT

_____

Jeffrey W. Cown, Director
Environmental Protection Division

Table of Contents

PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

Georgia-Pacific Savannah River LLC (SRM) is modifying its steam production capability and flexibility to improve energy efficiency and reliability. The project includes the following:

- Construct and operate a new 285 MMBtu/hr natural gas-fired boiler with low NO_X burners designated as Boiler No. 7 (BO07).

- Modify existing Boiler No. 3 (BO01). Boiler No. 3 is currently a circulating fluidized bed boiler with a heat input rating of 422 MMBtu/hr, permitted to fire coal, petroleum coke, peat, wood, no. 2 fuel oil, natural gas, tire derived fuel (TDF), and wastewater treatment residuals (WWTR). Modifications to this boiler include adding screw feeders and associated WWTR handling equipment to deliver WWTR to the lower furnace bed, replacing the in-duct fuel oil burner with a gas burner, and adding natural gas bed burners and load burners in the lower furnace. After modification, Boiler No. 3 will fire a mix of WWTR and natural gas and/or the originally permitted fuels with the exception of fuel oil. Fuel oil will no longer be fired. The boiler will have a maximum heat input rate of 422 MMBtu/hr when firing the existing fuel mix, 392.6 MMBtu/hr when firing gas and WWTR combined, and 397.7 MMBtu/hr when firing natural gas alone. Emissions will be controlled by a new ammonia injection system for NO_X, a new secondary air system for CO, the existing limestone injection system for SO_2, and the existing baghouse for PM.

- Modify existing Boiler No. 5 (BO03). Boiler No. 5 is currently a circulating fluidized bed boiler with a heat input rating of 422 MMBtu/hr, permitted to fire coal, petroleum coke, peat, wood, no. 2 fuel oil, natural gas, TDF and WWTR. Modifications to this boiler include adding screw feeders and associated WWTR handling equipment to deliver WWTR to the lower furnace bed, replacing the in-duct fuel oil burner with a gas burner, and adding natural gas bed burners and load burners in the lower furnace. After modification, Boiler No. 5 will fire WWTR and natural gas only. The boiler will have a maximum heat input rate of 392.4 MMBtu/hr when firing WWTR and natural gas and 393.2 MMBtu/hr when firing natural gas alone. Emissions will be controlled by a new ammonia injection system for NO_X, a new secondary air system for CO, and the existing baghouse for PM.

- Permanently decommission Combustion Turbine No. 2/Waste Heat Boiler No. 2 (CT02/WHB2) that has not operated since 2016. The equipment was removed from the permit in the most recent renewal permit.

In addition to the boiler changes, the following changes will also be made:

- The existing solid fuel silos will be removed from Boiler No. 5. The existing limestone silo will be repurposed for sand storage (LM03 to SAND) for Boiler No. 5. A total of five metering bins will be added to store feed WWTR (FS09) to both Boiler Nos. 3 and 5. The WWTR conveyors to the boilers are completely enclosed.

- A steam dryer will be installed to remove moisture from the WWTR fuel. A scrubber will be installed at the outlet of the dryer to remove solids. The outlet of the dryer will exhaust into the combustion chamber of either Boiler No. 3 or Boiler No. 5. Therefore, the dryer and scrubber are not considered emission sources.

- Add an aqueous ammonia tank and associated piping to supply for NO_X control.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1. Emission Units

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	**Description**		**ID No.**	**Description**
BO01	Boiler No. 3 (Circulating Fluidized Bed)	40 CFR Part 52.21 40 CFR 60 Subpart D 40 CFR 60 Subpart Db 40 CFR 63 Subpart DDDDD 40 CFR 61 Subpart E 40 CFR 64 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	LS01 BH01 NH3-1 HLI1**	Limestone Feed System Baghouse Ammonia Injection Hydrated Lime Injection**
BO03	Boiler No. 5 (Circulating Fluidized Bed)	40 CFR Part 52.21 40 CFR 60 Subpart Db 40 CFR 63 Subpart DDDDD 40 CFR 61 Subpart E ~~40 CFR 64~~ 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	~~LS03~~ BH03 NH3-2 HLI2**	~~Limestone Feed System~~ Baghouse Ammonia Injection Hydrated Lime Injection**
BO07	Boiler No. 7 (Natural Gas Boiler)	40 CFR Part 52.21 40 CFR 60 Subpart Db 40 CFR 63 Subpart DDDDD 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	None	None
CT01	Combustion Turbine No. 1	40 CFR Part 52.21 40 CFR 60 Subpart GG 391-3-1-.02(2)(d)	None	None
WHB1	Waste Heat Boiler No. 1	40 CFR Part 52.21 391-3-1-.02(2)(d)	None	None
RGB01	Rental Gas Boiler 1	40 CFR 60 Subpart Dc 40 CFR 63 Subpart DDDDD 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	None	None
RGB02	Rental Gas Boiler 2	40 CFR 60 Subpart Dc 40 CFR 63 Subpart DDDDD 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)	None	None
PULP	Pulp Processing Area	40 CFR Part 52.21	None	None
FP05 FP06 FP08	Bleaching System No. 2 Bleaching System No. 3 Bleaching System No. 4	40 CFR Part 52.21	None	None
BT01	Sodium Bisulfite Tank	40 CFR Part 52.21	None	None
PM01	Paper Machine No. 16	40 CFR Part 52.21 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	SB14 SB16	Winder Scrubber Reel Scrubber
PM02	Paper Machine No. 17	40 CFR Part 52.21 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	None	None

Emission Units		Applicable Requirements/Standards	Air Pollution Control Devices	
ID No.	Description		ID No.	Description
PM03	Paper Machine No. 18	40 CFR Part 52.21 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	SB13 SB15	Winder Scrubber Reel Scrubber
PM04	Paper Machine No. 19	40 CFR Part 52.21 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	SB04 SB11	Reel Scrubber Winder Scrubber
PM05	Paper Machine No. 20	40 CFR Part 52.21 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	SB05 SB08 SB12	Reel Scrubber Winder Scrubber Bypass Winder Scrubber
CONV	Converting Operation	40 CFR Part 52.21 40 CFR 63 Subpart JJJJ 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	SB06 SB07 SB09 SB10	Venturi Scrubber Venturi Scrubber Venturi Scrubber Venturi Scrubber
FX07 FX08	Flexographic Printer No. 7 Flexographic Printer No. 8	40 CFR 63 Subpart KK	None	None
SHS	Granulator	40 CFR 60 Subpart Y 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	None	None
FS01	Fuel Silo No.1 – Boiler No. 3	40 CFR 60 Subpart Y 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	BH11	Baghouse
FS02	Fuel Silo No. 2 – Boiler No. 3	40 CFR 60 Subpart Y 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	BH12	Baghouse
FS03	Fuel Silo No. 3 – Boiler No. 3	40 CFR 60 Subpart Y 391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	BH13	Baghouse
~~FS08~~	~~Fuel Silo No. 1 – Boiler No. 5~~	~~40 CFR 60 Subpart Y~~ ~~391-3-1-.02(2)(b)~~ ~~391-3-1-.02(2)(e)~~	~~BH20~~	~~Baghouse~~
FS09	~~Fuel Silo No. 2 – Boiler No. 5~~ WWTR Fuel Metering Bins – Boiler Nos. 3 and 5	~~40 CFR 60 Subpart Y~~ ~~391-3-1-.02(2)(b)~~ ~~391-3-1-.02(2)(e)~~ 391-3-1-.02(2)(n)	~~BH21~~ None	~~Baghouse~~ None
~~FS10~~	~~Fuel Silo No. 3 – Boiler No. 5~~	~~40 CFR 60 Subpart Y~~ ~~391-3-1-.02(2)(b)~~ ~~391-3-1-.02(2)(e)~~	~~BH22~~	~~Baghouse~~
LM01	Limestone Silo No. 1	391-3-1-.02(2)(b) 391-3-1-.02(2)(e)	BH14	Baghouse
~~LM03~~	~~Limestone Silo No. 3~~	~~391-3-1-.02(2)(b)~~ ~~391-3-1-.02(2)(e)~~	~~BH23~~	~~Baghouse~~
ME01	Murphy Engine 1	40 CFR 63 Subpart ZZZZ 40 CFR 60 Subpart IIII 391-3-1-.02(2)(b)	None	None
ME02	Murphy Engine 2	40 CFR 63 Subpart ZZZZ 40 CFR 60 Subpart IIII 391-3-1-.02(2)(b)	None	None

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards are intended as a compliance tool and may not be definitive.

**Optional compliance method for HCl limits under 40 CFR 63 Subpart DDDDD. It is not required to be installed should the facility choose another compliance option.

3.2 Equipment Emission Caps and Operating Limits

Utility Footprint Project – NEW CONDITIONS

Boiler No. 3 (Source Code BO01)

3.2.15 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which contain CO emissions in excess of 310 ppm by volume on a dry basis corrected to 3 percent oxygen on a 30-day rolling average. [40 CFR 52.21 – BACT]

3.2.16 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which contain Total CO_2e emissions in excess of 226.31 lb/MMBtu as based on 40 CFR Part 98 Emission Factors (May 14, 2024 Version). [40 CFR 52.21 – BACT]

Boiler No. 5 (Source Code BO03)

3.2.17 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 5 (Source Code BO03) any gases which contain CO emissions in excess of 310 ppm by volume on a dry basis corrected to 3 percent oxygen on a 30-day rolling average. [40 CFR 52.21 – BACT]

3.2.18 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 5 (Source Code BO03) any gases which contain Total CO_2e emissions in excess of 209.34 lb/MMBtu as based on 40 CFR Part 98 Emission Factors (May 14, 2024 Version). [40 CFR 52.21 – BACT]

Boiler No. 7 (Source Code BO07)

3.2.19 The Permittee shall not discharge or cause the discharge into the atmosphere from Boiler No. 7 (Source Code BO07) any gases which contain CO emissions in excess of 50 ppm by volume on a dry basis corrected to 3 percent oxygen on a 30-day rolling average. [40 CFR 52.21 – BACT]

3.2.20 The Permittee shall not discharge or cause the discharge into the atmosphere from Boiler No. 7 (Source Code BO07) any gases which contain Total CO_2e emissions in excess of 117.10 lb/MMBtu as based on 40 CFR Part 98 Emission Factors (May 14, 2024 Version). [40 CFR 52.21 – BACT]

3.2.21 The Permittee shall not discharge or cause the discharge into the atmosphere from Boiler No. 7 (Source Code BO07) any gases which contain NO_X emissions in excess of 30 ppm by volume on a dry basis corrected to 3 percent oxygen on a 30-day rolling average. [Avoidance of 40 CFR 52.21]

3.2.22 The Permittee shall not discharge or cause the discharge into the atmosphere from Boiler No. 7 (Source Code BO07) any gases which contain $PM_{10}/PM_{2.5}$ in excess of 0.0050 lb/MMBtu. [Avoidance of 40 CFR 52.21]

3.3 Equipment Federal Rule Standards

Utility Footprint Project – NEW CONDITIONS

Boiler No. 3 (Source Code BO01)

3.3.28 Before October 6, 2025, the Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which:

a. Contain hydrogen chloride (HCl) emissions in excess of 0.022 pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 1.a. of 40 CFR 63 Subpart DDDDD]

b. Contain mercury (Hg) emissions in excess of $5.7x10^{-6}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 1.b. of 40 CFR 63 Subpart DDDDD]

3.3.29 Before October 6, 2025, *when burning at least 10 percent biomass or bio-based solids on an annual heat input basis in combination with solid fossil fuels, liquid fuels, or gaseous fuels*, the Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which:

a. Contain carbon monoxide (CO) emissions in excess of 470 ppm by volume on a dry basis corrected to 3 percent oxygen, 3-run average; or 310 ppm by volume on a dry basis corrected to 3 percent oxygen, 30-day rolling average if using CEMS, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 9.a. of 40 CFR 63 Subpart DDDDD]

b. Contain filterable particulate matter (PM) emissions in excess of 0.11 pounds per million Btu or Total Selected Metals (TSM) emissions in excess of $1.2x10^{-3}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 9.b. of 40 CFR 63 Subpart DDDDD]

3.3.30 Before October 6, 2025, *when burning coal/solid fossil fuel alone or at least 10 percent coal or other solid fossil fuel on an annual heat input basis in combination with liquid fuels, gaseous fuels, or less than 10 percent biomass and bio-based solids on an annual heat input basis*, the Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which:

a. Contain carbon monoxide (CO) emissions in excess of 130 ppm by volume on a dry basis corrected to 3 percent oxygen, 3-run average; or 230 ppm by volume on a dry basis corrected to 3 percent oxygen, 30-day rolling average if using CEMS, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 5.a. of 40 CFR 63 Subpart DDDDD]

b. Contain filterable particulate matter (PM) emissions in excess of 0.04 pounds per million Btu or Total Selected Metals (TSM) emissions in excess of $5.3x10^{-5}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 2.a. of 40 CFR 63 Subpart DDDDD]

3.3.31 On and after October 6, 2025, the Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which:

a. Contain hydrogen chloride (HCl) emissions in excess of 0.020 pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 1.a. of 40 CFR 63 Subpart DDDDD]

b. Contain mercury (Hg) emissions in excess of $5.4x10^{-6}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 1.b. of 40 CFR 63 Subpart DDDDD]

3.3.32 On and after October 6, 2025, *when burning at least 10 percent biomass or bio-based solids on an annual heat input basis in combination with solid fossil fuels, liquid fuels, or gaseous fuels*, the Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which:

a. Contain carbon monoxide (CO) emissions in excess of 210 ppm by volume on a dry basis corrected to 3 percent oxygen, 3-run average; or 310 ppm by volume on a dry basis corrected to 3 percent oxygen, 30-day rolling average if using CEMS, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 9.a. of 40 CFR 63 Subpart DDDDD]

b. Contain filterable particulate matter (PM) emissions in excess of $7.4x10^{-3}$ pounds per million Btu or Total Selected Metals (TSM) emissions in excess of $6.4x10^{-5}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 9.b. of 40 CFR 63 Subpart DDDDD]

3.3.33 On and after October 6, 2025, *when burning coal/solid fossil fuel alone or at least 10 percent coal or other solid fossil fuel on an annual heat input basis in combination with liquid fuels, gaseous fuels, or less than 10 percent biomass and bio-based solids on an annual heat input basis,* the Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which:

a. Contain carbon monoxide (CO) emissions in excess of 130 ppm by volume on a dry basis corrected to 3 percent oxygen, 3-run average; or 230 ppm by volume on a dry basis corrected to 3 percent oxygen, 30-day rolling average if using CEMS, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 5.a. of 40 CFR 63 Subpart DDDDD]

b. Contain filterable particulate matter (PM) emissions in excess of 0.039 pounds per million Btu or Total Selected Metals (TSM) emissions in excess of $5.3x10^{-5}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 2.a. of 40 CFR 63 Subpart DDDDD]

3.3.34 The Permittee shall comply with the startup and shutdown work practice requirements in Table 3 of 40 CFR 63 Subpart DDDDD for modified Boiler No. 3 (Source Code BO01).
[40 CFR 63.7500 and Table 3 of 40 CFR 63 Subpart DDDDD]

3.3.35 If the Permittee elects to comply with the TSM emission limit and does not use a PM CPMS on modified Boiler No. 3 (Source Code BO01) when burning coal/solid fossil fuel alone or at least 10 percent coal or other solid fossil fuel on an annual heat input basis in combination with liquid fuels, gaseous fuels, or less than 10 percent biomass and bio-based solids on an annual heat input, the Permittee shall comply with an operating limit for fabric filter control in Table 4. The Permittee will establish operating limits per Table 7, if the Permittee elects to establish a site-specific opacity level.
[40 CFR 63.7500 and Table 4 - Line 3 and Table 7 - Line 1.c. of 40 CFR 63 Subpart DDDDD]

3.3.36 As modified Boiler No. 3 (Source Code BO01) feeds limestone, *when burning coal/solid fossil fuel alone or at least 10 percent coal or other solid fossil fuel on an annual heat input basis in combination with liquid fuels, gaseous fuels, or less than 10 percent biomass and bio-based solids on an annual heat input basis,* the Permittee will establish and comply with the applicable HCl operating limit per Table 4 and/or Table 7.
[40 CFR 63 Subpart DDDDD]

a. If the Permittee elects to demonstrate compliance with the HCl limit using sorbent injection, the Permittee will establish a site-specific minimum sorbent injection rate operating limit according to 40 CFR 63.7530(b); or
[40 CFR 63.7500; 63.7530(b); Table 7 - Line 2.b. of 40 CFR 63 Subpart DDDDD]

b. If the Permittee elects to demonstrate compliance with the HCl limit using an SO_2 CEMS, the Permittee will establish a site-specific maximum SO_2 emission rate operating limit according to 40 CFR 63.7530(b).
[40 CFR 63.7500; 63.7530(b); Table 4 - Line 9 and Table 7 - Line 2.c. of 40 CFR 63 Subpart DDDDD]

3.3.37 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which contain SO_2 equal to or in excess of 1.2 pounds per MMBtu heat input derived from solid fossil fuel or solid fossil fuel and wood residue. Compliance shall be based on the total heat input from all fossil fuels burned, including gaseous fuels. For the purposes of this paragraph, petroleum coke is not classified as a fossil fuel.
[40 CFR 60.43(a)(2); 391-3-1-.02(2)(g)1(ii)]

3.3.38 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which contain PM in excess of 0.051 pounds per MMBtu heat input.
[40 CFR 60.43b(a)(1); 391-3-1-.02(2)(d)2(iii) Subsumed]

3.3.39 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO03) any gases which exhibit greater than twenty (20) percent opacity except for one six-minute period per hour of not more than twenty-seven (27) percent opacity.
[40 CFR 60.43b(f) and 391-3-1-.02(2)(d)3]

3.3.40 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases which contain NO_X in excess of the emission rate determined by the following formula:
[40 CFR 60.44b(b) and (c); 391-3-1-.02(2)(d)4 Subsumed]

$En = [y(0.2) + z(0.6)]/(y+z)$

Where:
En = prorated standard for NO_X in pounds per MMBtu.
y = the heat input from combustion of natural gas.
z = the heat input from combustion of coal.

The definition of coal in 40 CFR 60.41b includes petroleum coke.

3.3.41 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 3 (Source Code BO01) any gases that contain mercury in excess of 7.1 pounds per 24-hour period while burning wastewater treatment residuals (WWTR).
[40 CFR 61.52(b)]

Boiler No. 5 (Source Code BO03)

3.3.42 Before October 6, 2025, *when burning at least 10 percent biomass or bio-based solids on an annual heat input basis in combination with solid fossil fuels, liquid fuels, or gaseous fuels*, the Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 5 (Source Code BO03) any gases which:

a. Contain hydrogen chloride (HCl) emissions in excess of 0.022 pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 1.a. of 40 CFR 63 Subpart DDDDD]

b. Contain mercury (Hg) emissions in excess of $5.7x10^{-6}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 1.b. of 40 CFR 63 Subpart DDDDD]

c. Contain carbon monoxide (CO) emissions in excess of 470 ppm by volume on a dry basis corrected to 3 percent oxygen, 3-run average; or 310 ppm by volume on a dry basis corrected to 3 percent oxygen, 30-day rolling average if using CEMS, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 9.a. of 40 CFR 63 Subpart DDDDD]

d. Contain filterable particulate matter (PM) emissions in excess of 0.11 pounds per million Btu or Total Selected Metals (TSM) emissions in excess of $1.2x10^{-3}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 15 - Line 9.b. of 40 CFR 63 Subpart DDDDD]

3.3.43 On and after October 6, 2025, *when burning at least 10 percent biomass or bio-based solids on an annual heat input basis in combination with solid fossil fuels, liquid fuels, or gaseous fuels*, the Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 5 (Source Code BO03) any gases which:

a. Contain hydrogen chloride (HCl) emissions in excess of 0.020 pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 1.a. of 40 CFR 63 Subpart DDDDD]

b. Contain mercury (Hg) emissions in excess of $5.4x10^{-6}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 1.b. of 40 CFR 63 Subpart DDDDD]

c. Contain carbon monoxide (CO) emissions in excess of 210 ppm by volume on a dry basis corrected to 3 percent oxygen, 3-run average; or 310 ppm by volume on a dry basis corrected to 3 percent oxygen, 30-day rolling average if using CEMS, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 9.a. of 40 CFR 63 Subpart DDDDD]

d. Contain filterable particulate matter (PM) emissions in excess of $7.4x10^{-3}$ pounds per million Btu or Total Selected Metals (TSM) emissions in excess of $6.4x10^{-5}$ pounds per million Btu, excluding periods of startup and shutdown.
[40 CFR 63.7500 and Table 2 - Line 9.b. of 40 CFR 63 Subpart DDDDD]

3.3.44 The Permittee shall comply with the startup and shutdown work practice requirements in Table 3 of 40 CFR 63 Subpart DDDDD for modified Boiler No. 5 (Source Code BO03).
[40 CFR 63.7500 and Table 3 of 40 CFR 63 Subpart DDDDD]

3.3.45 For modified Boiler No. 5 (Source Code BO03), the Permittee shall comply with an operating limit for fabric filter control in Table 4. The Permittee will establish operating limits per Table 7, if the Permittee elects to establish a site-specific opacity level.
[40 CFR 63.7500 and Table 4 - Line 3 and Table 7 - Line 1.c. of 40 CFR 63 Subpart DDDDD]

3.3.46 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 5 (Source Code BO03) any gases which contain NO_X in excess of:
[40 CFR 60.44b(a)(1)(i) and 60.44b(d); 391-3-1-.02(2)(d)4(iii) Subsumed]

a. 0.10 pounds per MMBtu while firing natural gas only.

b. 0.30 pounds per MMBtu while co-firing natural gas and WWTR.

3.3.47 The Permittee shall not discharge or cause the discharge into the atmosphere from modified Boiler No. 5 (Source Code BO03) any gases that contain mercury in excess of 7.1 pounds per 24-hour period while burning wastewater treatment residuals (WWTR).
[40 CFR 61.52(b)]

Boiler No. 7 (Source Code BO07)

3.3.48 The Permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR Part 63 Subpart A – "General Provisions" and 40 CFR 63 Subpart DDDDD – "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters" for Boiler No. 7 (Source Code BO07). Boiler No. 7 is classified as a *new unit designed to burn gas 1 fuels* for the purposes of the subpart.
[40 CFR 63 Subpart DDDDD; 40 CFR 63.7500(a)(1)]

3.3.49 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A – "General Provisions" and 40 CFR 60 Subpart Db – "Standards of Performance for New Stationary Industrial-Commercial-Institutional Steam Generating Units," for operation of Boiler No. 7 (Source Code BO07).
[40 CFR 60.40b]

3.3.50 The Permittee shall not discharge or cause the discharge into the atmosphere from Boiler No. 7 (Source Code BO07) any gases which contain NO_X in excess of 0.10 lb/MMBtu on a 30-day rolling average, including periods of startup, shutdown, and malfunction.
[40 CFR 60.44b(h); 40 CFR 60.44b(i); 40 CFR 60.44b(l)(2); 391-3-1-.02(2)(d)4(iii) Subsumed]

3.4 Equipment SIP Rule Standards

Utility Footprint Project – NEW CONDITIONS

Boiler No. 3 (Source Code BO01)

3.4.11 The Permittee shall only burn coal, petroleum coke, peat, wood, TDF, natural gas, and WWTR in modified Boiler No. 3 (Source Code BO01).
[391-3-1-.03(2)(c)]

3.4.12 The Permittee shall burn no more than 84 tons of TDF per day in modified Boiler No. 3 (Source Code BO01).
[391-3-1-.03(2)(c)]

Boiler No. 5 (Source Code BO03)

3.4.13 The Permittee shall not cause, let, suffer, permit, or allow any emissions from modified Boiler No. 5 (Source Code BO03) which:

a. Contain fly ash and/or other particulate matter in amounts equal to or exceeding 0.10 pounds per million BTU heat input.
[391-3-1-.02(2)(d)2(iii)]

b. Exhibit visible emissions, the opacity of which is equal to or greater than 20 percent except for one six minute period per hour of not more than 27 percent opacity.
[391-3-1-.02(2)(d)3]

3.4.14 The Permittee shall burn only natural gas and WWTR in modified Boiler No. 5 (Source Code BO03).
[391-3-1-.03(2)(c); 391-3-1-.02(2)(g)2 (Subsumed)]

Boiler No. 7 (Source Code BO07)

3.4.15 The Permittee shall not cause, let, suffer, permit, or allow any emissions from Boiler No. 7 (Source Code BO07) which:

a. Contain fly ash and/or other particulate matter in amounts equal to or exceeding 0.10 pounds per million BTU heat input.
[391-3-1-.02(2)(d)2(iii)]

b. Exhibit visible emissions, the opacity of which is equal to or greater than 20 percent except for one six-minute period per hour of not more than 27 percent opacity.
[391-3-1-.02(2)(d)3; 391-3-1-.02(2)(b)1 Subsumed]

3.4.16 The Permittee shall burn only natural gas in Boiler No. 7 (Source Code BO07).
[391-3-1-.03(2)(c); 391-3-1-.02(2)(g)2 (Subsumed)]

PART 4.0 REQUIREMENTS FOR TESTING

4.1 General Testing Requirements

Utility Footprint Project – NEW CONDITION

4.1.5 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 are as follows:

a. Method 201 or 201A in conjunction with Method 202 shall be used for the determination of PM_{10} and $PM_{2.5}$ emissions. Method 5 in conjunction with Method 202 may be used as an alternative.

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections that, in his opinion, render those methods or procedures, or portions thereof, more reliable.
[391-3-1-.02(3)(a)]

4.2 Specific Testing Requirements

Utility Footprint Project – NEW CONDITIONS

Boiler Nos. 3 and 5 (Source Codes BO01 and BO03)

4.2.8 The Permittee shall conduct performance tests for PM emissions from modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03), while burning fuel that is representative of normal operation, at approximately 12-month intervals, not to exceed 13 months between tests. Should the tested PM emission rate for a boiler be less than 50 percent of the applicable emissions limitation contained in Conditions 3.3.38 and 3.4.13, the Permittee may request that testing be required only at approximately 24-month intervals, not to exceed 25 months between tests. Data from these tests may be used by either the Division or the Permittee to reevaluate and/or reestablish, through a permit modification, the baghouse parameters utilized in Conditions 6.1.8 and 6.1.9.
[391-3-1-.02(6)(b)1(i)]

4.2.9 If the Permittee elects to comply through performance testing for modified Boiler No. 3 or 5 (Source Codes BO01 and BO03), the Permittee shall comply with all applicable provisions of 40 CFR 63.7515 for performance testing under 40 CFR 63 Subpart DDDDD. The performance tests shall be conducted on an annual basis in accordance with 40 CFR 63.7520 and Table 5 of 40 CFR 63 Subpart DDDDD, except as specified in 40 CFR 63.7515(b), (c), (g), and (i). The Permittee shall either verify that the applicable operating limits in Table 4 of 40 CFR 63 Subpart DDDDD have not changed or reestablish the operating limits in accordance with 40 CFR 63.7530 and Table 7 of 40 CFR 63 Subpart DDDDD.
[40 CFR 63.7515 and 63.7520 and Table 5 of 40 CFR 63 Subpart DDDDD]

4.2.10 The Permittee shall conduct a tune-up every five years for modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03) as specified in 40 CFR 63.7540.
[Table 3 of 40 CFR 63 Subpart DDDDD; 40 CFR 63.7540]

Boiler No. 3 (Source Code BO01)

4.2.11 Within 180 days after the startup of modified Boiler No. 3 (Source Code BO01), the Permittee shall conduct an initial performance test for PM emissions while burning fuel that is representative of normal operation to demonstrate compliance with Condition 3.3.38. Subsequent performance testing shall be conducted as specified in Condition 4.2.8.
[391-3-1-.02(6)(b)1(i)]

4.2.12 Within 180 days after startup of the modified boiler, the Permittee shall conduct an initial performance test for NO_X from Boiler No. 3 (Source Code BO01) as required under 40 CFR 60.8 using the continuous system for monitoring NO_X required by Condition 5.2.21.a. For the initial compliance test, NO_X from the steam generating unit are monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the NO_X emission standard in Condition 3.3.40. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period. The 1-hour average NO_X emission rates (pound(s) per million BTU heat input) must include at least two data points to calculate each 1-hour average. Hourly NO_X emission rates are not calculated if the boiler is operated less than 30 minutes in a 1-hour period and are not counted toward the determination of a steam generating unit-operating day.
[40 CFR 60.46b(e)(1)]

Boiler No. 5 (Source Code BO03)

4.2.13 Within 180 days after the startup of modified Boiler No. 5 (Source Code BO03), the Permittee shall conduct an initial performance test for PM emissions while burning fuel that is representative of normal operation to demonstrate compliance with Condition 3.4.13. Subsequent performance testing shall be conducted as specified in Condition 4.2.8.
[391-3-1-.02(6)(b)1(i)]

4.2.14 Within 180 days after startup of the modified boiler, the Permittee shall conduct an initial performance test for NO_X from Boiler No. 5 (Source Code BO03) as required under 40 CFR 60.8 using the continuous system for monitoring NO_X required by Condition 5.2.21.a. For the initial compliance test, NO_X from the steam generating unit are monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the NO_X emission standard in Condition 3.3.46. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period. The 1-hour average NO_X emission rates (pound(s) per million BTU heat input) must include at least two data points to calculate each 1-hour average. Hourly NO_X emission rates are not calculated if the boiler is operated less than 30 minutes in a 1-hour period and are not counted toward the determination of a steam generating unit-operating day.
[40 CFR 60.46b(e)(1)]

Boiler No. 7 (Source Code BO07)

4.2.15 Within 180 days after the startup of Boiler No. 7 (Source Code BO07), the Permittee shall conduct an initial performance test for PM emissions while burning fuel that is representative of normal operation to demonstrate compliance with Condition 3.4.15. Subsequent performance testing shall be conducted as specified in Condition 4.2.8.
[391-3-1-.02(6)(b)1(i)]

4.2.16 Within 180 days after the startup of Boiler No. 7 (Source Code BO07), the Permittee shall conduct an initial performance test for $PM_{10}/PM_{2.5}$ emissions while burning fuel that is representative of normal operation to demonstrate compliance with Condition 3.2.22. Subsequent performance testing shall be conducted as specified in Condition 4.2.8.
[391-3-1-.02(6)(b)1(i)]

4.2.17 Within 180 days after startup, the Permittee shall conduct an initial performance test for NO_X from Boiler No. 7 (Source Code BO07) as required under 40 CFR 60.8 using the continuous system for monitoring NO_X required by Condition 5.2.34.a. For the initial compliance test, NO_X from the steam generating unit are monitored for 30 successive steam generating unit operating days and the 30-day average emission rate is used to determine compliance with the NO_X emission standard in Condition 3.3.50. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the monitoring system during the 30-day test period. The 1-hour average NO_X emission rates (pound(s) per million BTU heat input) must include at least two data points to calculate each 1-hour average. Hourly NO_X emission rates are not calculated if the boiler is operated less than 30 minutes in a 1-hour period and are not counted toward the determination of a steam generating unit-operating day.
[40 CFR 60.46b(e)(1)]

4.2.18 The Permittee shall conduct the initial tune-up required by 40 CFR 63 Subpart DDDDD for Boiler No. 7 (Source Code BO07) as specified in 40 CFR 63.7510. The subsequent 5-year tune-ups must be no later than 61 months after the initial startup of the boiler as specified in 40 CFR 63.7540.
[40 CFR 63.7510(g), 63.7515(d); 63.7540]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2 Specific Monitoring Requirements

MODIFIED CONDITION

5.2.15 The Permittee shall perform a check of visible emissions from all baghouses controlling Fuel Silos (Source Codes FS01 through FS03) and Limestone Silos (Source Code LM01), listed in Section 3.1 of this permit. The Permittee shall retain a record in a daily VE log suitable for inspection or submittal. The check shall be conducted at least once for each day or portion of each day of operation using procedures a. through d. below except when scheduling, atmospheric conditions or sun positioning prevent any opportunity to perform the daily VE check. Any operational day when scheduling, atmospheric conditions or sun position prevent a daily reading shall be reported as monitor downtime in the report required by Condition 6.1.4. Scheduling prevents a daily VE check only when an emission unit is not operating during a regularly scheduled time period established for the daily VE checks.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Determine, in accordance with the procedures specified in paragraph c. or d. of this condition, if visible emissions are present at the discharge point to the atmosphere from each of the sources and record the results in the VE log. For sources that exhibit visible emissions, the Permittee shall comply with paragraph b. of this condition.

b. For each source that requires action in accordance with paragraph a. of this condition, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions, the pressure drop, any other pertinent operating parameters, and the corrective action taken in the maintenance log.

c. The person performing the determination shall stand at a distance of at least 15 feet which is sufficient to provide a clear view of the plume against a contrasting background with the sun in the 140° sector at his/her back. Consistent with this requirement, the determination shall be made from a position such that the line of vision is approximately perpendicular to the plume direction. Only one plume shall be in the line of sight at any time when multiple stacks are in proximity to each other.

d. The person performing the VE check may use a properly positioned camera to meet the requirements in paragraph c.

Utility Footprint Project – NEW CONDITIONS

5.2.20 For all CEMS installed at the facility [with the exception of the SO_2 CEMS installed on Boiler No. 3 (Source Code: BO01)], the Permittee shall perform quarterly accuracy determinations and daily calibration drift tests in accordance with Appendix F of 40 CFR Part 60.
[40 CFR 60.13 and 40 CFR 60.47b(e)(2)]

Boiler Nos. 3 and 5 (Source Codes BO01 and BO03)

5.2.21 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated pollutants on the following equipment. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. NO_X and SO_2 concentrations (in ppm) and diluent concentrations (either O_2 or CO_2, percent) from modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03). The emission rates measured by the CEMS shall be expressed in pounds(s) pollutant per MMBtu heat input.
[40 CFR Part 52.21; 40 CFR 60.45(a); 40 CFR 60.48b(b); 391-3-1-.02(2)(d); 391-3-1-.02(2)(g)]

b. Opacity from modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03).
[40 CFR 60.48b(a) and 391-3-1-.02(2)(d)]

c. CO concentrations (in ppm) and diluent concentrations (either O_2 or CO_2, percent) from modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03).
[40 CFR Part 52.21]

5.2.22 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Stack flow for modified Boilers Nos. 3 and 5 (Source Codes BO01 and BO03) may be used as an option to demonstrate compliance with the SO_2 pound per hour daily average emission limits in Conditions 3.2.3 and 3.2.4 per Condition 5.2.23.
[40 CFR 60 Appendix B; 40 CFR 60 Appendix F; 40 CFR 63.7; 391-3-1-.02(3)(a)]

5.2.23 For modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03), the Permittee shall determine compliance with the SO_2 pound per hour daily average emission limits in Conditions 3.2.3 and 3.2.4 using emission data acquired by SO_2 CEMs required in Condition 5.2.21.a.
[40 CFR Part 52.21]

a. When utilizing the stack flow monitors in Condition 5.2.22.a, the emissions will be calculated as follows for each boiler:

SO_2 (lb/hr) = SO_2 (ppm) * 1.660×10^{-7} (lb/scf) * Stack Flow (scfh)

b. In the event that the stack flow monitors are out of service or malfunctioning, the emissions will be calculated as follows for each boiler:

SO_2 (lb/hr) = Btu/lb fuel * lb fuel / Operating Hours / 1,000,000 Btu/MMBtu * SO_2 (lb/MMBtu)

5.2.24 For modified Boiler No. 3 (Source Codes BO01), the Permittee shall determine compliance with the NO_X emission limitations specified in Conditions 3.2.5 and 3.3.40 using emissions data acquired by the CEMS required by Condition 5.2.21.a on a continuous basis through the use of a 30-day rolling average emission rate. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all the hourly NO_X emissions data for the preceding 30 steam generating unit operating days.
[40 CFR Part 52.21 and 40 CFR 60.46b(e)(2)]

5.2.25 For modified Boiler No. 5 (Source Code BO03), the Permittee shall determine compliance with the NO_X emission limitations specified in Conditions 3.2.5 and 3.3.46 using emissions data acquired by the CEMS required by Condition 5.2.21.a on a continuous basis through the use of a 30-day rolling average emission rate. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all the hourly NO_X emissions data for the preceding 30 steam generating unit operating days.
[40 CFR Part 52.21 and 40 CFR 60.46b(e)(3)]

5.2.26 The Permittee shall obtain NO_X emission data for modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03) for at least 75 percent of the operating hours for at least 22 out of 30 successive boiler operating days. If this minimum data requirement is not met, the Permittee shall supplement the emission data with data collected using Method 7, Method 7A, or other approved reference methods used as a standby monitoring system providing the minimum data requirement defined in this condition. The 1-hour average NO_X emission rates (pound(s) per million BTU heat input) must include at least two data points to calculate each 1-hour average. Hourly NO_X emission rates are not calculated if the boiler is operated less than 30 minutes in a 1-hour period and are not counted toward the determination of a steam generating unit-operating day.
[40 CFR Part 52.21; 40 CFR 60.13; 40 CFR 60.48b(d) and (f)]

5.2.27 For the purposes of Condition 5.2.24 through 5.2.26, of this Permit, the definition of a steam generating unit-operating day shall be any 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for the fuel to be combusted continuously for the entire 24-hour period.
[40 CFR 60.41b]

5.2.28 For 40 CFR 63 Subpart DDDDD, the Permittee shall develop a site-specific monitoring plan for modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03), prior to conducting the required performance evaluation of the Permittee's CMS according to the requirements in 40 CFR 63.7505(d)(1) through (4) when demonstrating compliance with any applicable emission limits through performance testing and subsequent compliance with operating limits (including the use of CPMS), or with a CEMS, or COMS.
[40 CFR 63.7505(d)]

5.2.29 For the HCl emission limits for modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03) under 40 CFR 63 Subpart DDDDD:

a. If a dry sorbent injection system is used, the Permittee shall monitor the dry sorbent injection rate according to the procedures in 40 CFR 63.7525(d) and 40 CFR 63.7525(i) in order to comply; or
[40 CFR 63.7525(d) and (i)]

b. The Permittee may elect to use an SO_2 CEMS to demonstrate continuous compliance with the HCl emission limit. The monitor must be installed at the outlet of the boiler, downstream of all emission control devices, and the Permittee must install, certify, operate, and maintain the CEMS according to either 40 CFR Part 60 or 40 CFR Part 75; or
[40 CFR 63.7525(d) and (m)]

c. The Permittee may elect to demonstrate compliance with HCl emission limits by installing, certifying, maintaining, and operating a CEMS measuring emissions discharged to the atmosphere per 40 CFR 63.7540(a)(15) and record the output of the system as specified in paragraphs (l)(1) through (8) of 40 CFR 63.7525(l).
[40 CFR 63.7540 (a)(15) and 63.7525(l)]

5.2.30 For modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03), the Permittee shall install, certify, operate and maintain continuous emission monitoring systems for CO and oxygen according to the procedures in 40 CFR 63.7525(a)(1) through (7) in order to comply with 40 CFR 63 Subpart DDDDD.
[40 CFR 63.7525(a)]

5.2.31 For modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03), the Permittee shall install, operate, certify, and maintain a COMS according to the procedures in 40 CFR 63.7525(c)(1) through (7) in order to comply with 40 CFR 63Subpart DDDDD.
[40 CFR 63.7525(c)]

5.2.32 For modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03), the Permittee shall monitor operating load (heat input rate or steam generation data) according to the procedures in 40 CFR 63.7525(d)(1) through (5) in order to comply with 40 CFR 63 Subpart DDDDD.
[40 CFR 63.7525(d)]

5.2.33 The Permittee shall comply with all applicable provisions of 40 CFR 63.7540 and Table 8 for demonstrating continuous compliance under 40 CFR 63 Subpart DDDDD for modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03).
[40 CFR 63.7540 and Table 8 of 40 CFR 63 Subpart DDDDD]

Boiler No. 7 (Source Code BO07)

5.2.34 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated pollutants on the following equipment. Each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. NO_X concentrations (in ppm) and diluent concentrations (either O_2 or CO_2, percent) from Boiler No. 7 (Source Codes BO07). The emission rates measured by the CEMS shall be expressed in pounds(s) pollutant per MMBtu heat input.
[40 CFR 60.48b(b); 391-3-1-.02(2)(d)]

b. CO concentrations (in ppm) and diluent concentrations (either O_2 or CO_2, percent) from Boiler No. 7 (Source Code BO07).
[40 CFR Part 52.21]

5.2.35 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Type and quantity of fuel burned in Boiler No. 7 (Source Code BO07) Data shall be recorded once per day.
[40 CFR 60 Subpart Db]

5.2.36 For Boiler No. 7 (Source Code BO07), the Permittee shall determine compliance with the NO_X emission limitations specified in Condition 3.3.50 using emissions data acquired by the CEMS required by Condition 5.2.34.a on a continuous basis through the use of a 30-day rolling average emission rate. A new 30-day rolling average emission rate is calculated each steam generating unit operating day as the average of all the hourly NO_X emissions data for the preceding 30 steam generating unit operating days.
[40 CFR 60.46b(e)(3)]

5.2.37 The Permittee shall obtain NO_X emission data for Boiler No. 7 (Source Code BO07) for at least 75 percent of the operating hours for at least 22 out of 30 successive boiler operating days. If this minimum data requirement is not met, the Permittee shall supplement the emission data with data collected using Method 7, Method 7A, or other approved reference methods used as a standby monitoring system providing the minimum data requirement defined in this condition. The 1-hour average NO_X emission rates (pound(s) per million BTU heat input) must include at least two data points to calculate each 1-hour average. Hourly NO_X emission rates are not calculated if the boiler is operated less than 30 minutes in a 1-hour period and are not counted toward the determination of a steam generating unit-operating day.
[40 CFR 60.13; 40 CFR 60.48b(d) and (f)]

5.2.38 For the purpose of Conditions 5.2.36 and 5.2.37, the definition of a steam generating unit-operating day shall be any 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for the fuel to be combusted continuously for the entire 24-hour period. [40 CFR 60.41b]

Compliance Assurance Monitoring

5.2.39 The following pollutant specific emission unit(s) (PSEU) is/are subject to the Compliance Assurance Monitoring (CAM) Rule in 40 CFR 64.

Emission Unit	**Pollutant**
Boiler No. 3 (Source Code)	SO_2
Paper Machines 19 and 20 (Source Codes PM04 and PM05)	PM

Permit conditions in this permit for the PSEU(s) listed above with regulatory citation 40 CFR 70.6(a)(3)(i) are included for the purpose of complying with 40 CFR 64. In addition, the Permittee shall meet the requirements, as applicable, of 40 CFR 64.7, 64.8, and 64.9. [40 CFR 64]

5.2.40 The Permittee shall comply with the performance criteria listed in the table below for the sulfur dioxide emissions from Boiler No. 3 and (Source Code BO01). [40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	**Indicator No. 1 SO_2 Mass Emission Rate (lb per MMBtu and lb per hour)**
A. Data Representativeness [64.3(b)(1)]	CEMS on Boiler Stack SK01.
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	Not applicable.
C. QA/QC Practices and Criteria [64.3(b)(3)]	Performance Specification 2 contained in 40 CFR 60 Appendix B.
D. Monitoring Frequency [64.3(b)(4)]	Continuous.
E. Data Collection Procedures [64.3(b)(4)]	Recorded on the data acquisition and handling system.
F. Averaging Period [64.3(b)(4)]	40 CFR 60 Subpart D – 3-hour average; 40 CFR Part 52.21 – Daily average

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

6.1 General Record Keeping and Reporting Requirements

6.1.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]

a. No Changes

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. through ix. No Changes.

MODIFIED CONDITION

x. Any period of operation during which the fuel burned in Boiler No. 3 or 5 (Source Code BO01 or BO03), Combustion Turbine No. 1 (Source Code CT01), Waste Heat Boiler No. 1 (Source Code WHB1), or Rental Gas Boilers 1 and 2 (Source Code RGB01 and RGB02) is a fuel other than those allowed by Condition 3.4.3, 3.4.4, 3.4.6 or 3.4.10.
[391-3-1-.03(2)(c)]

xi. through xv. No Changes.

c. No Changes

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

MODIFIED CONDITION

i. A statement signed by a responsible official that the records of fuel supplier certifications maintained by the facility for no. 2 fuel oil, containing no more than 0.05 percent sulfur by weight, represents all of the fuel oil combusted in Combustion Turbine No. 1 (Source Code CT01).
[40 CFR Part 52.21; Avoidance of 40 CFR Part 52.21; 40 CFR 60 Subpart GG]

Utility Footprint Project – NEW CONDITIONS

Boiler No. 3 (Source Code BO01)

6.1.8 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

i. Any 3-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) of SO_2 from modified Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.21.a, equals or exceeds the emission rate in Condition 3.3.37.
[40 CFR 60.45(g)(2); 391-3-1-.02(2)(g)1 and (g)2]

ii. Any 30-day rolling average NO_X emission rate for modified Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.21.a, exceeds the emission rate calculated in accordance with Condition 3.3.40.
[40 CFR 60.49b(h)(4)]

iii. Any 6-minute period during which the average opacity for modified Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.21.b, exceeds 20 percent, except one six-minute average per hour up to 27 percent need not to be reported.
[40 CFR 60.49b(h)(3) and 391-3-1-.02(2)(d)3]

iv. Any 30-day rolling period during which the average CO emission rate from modified Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.21.c , is in excess of the limit in Condition 3.3.29.a, 3.3.30.a, 3.3.32.a, or 3.3.33.a as applicable, in ppm by volume on a dry basis corrected to 3 percent oxygen.
[40 CFR 63.7540(a)(8)]

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any 24-hour (daily) average SO_2 emission rate from modified Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.21.a, that exceeds 491.4 pounds per hour.
[40 CFR Part 52.21]

ii. Any 30-day rolling average NO_X emission rate for modified Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.21.a, exceeds 0.4 pounds per million BTU heat input.
[40 CFR Part 52.21]

iii. Any 30-day rolling average CO emission rate for modified Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.21.c, that exceeds 310 ppm by volume on a dry basis corrected to 8 percent oxygen.
[40 CFR Part 52.21]

iv. Any period of operation during which more than 84 tons per day of TDF is burned in modified Boiler No. 3 (Source Code BO01).
[391-3-1-.03(2)(c)]

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any two consecutive baghouse pressure drop readings, measured and recorded in accordance with Condition 5.2.3.b, which fall outside of the following ranges:

(A) Baghouses BH01 for modified Boiler No. 3 (Source Code BO01): The range established and submitted in accordance with Condition 6.2.39.

ii. Any instance an operational or maintenance check required by Condition 5.2.14 for Baghouse BH01 for modified Boiler No. 3 (Source Code BO01) that reveals a maintenance action level was triggered and the maintenance was not performed according to the Preventative Maintenance Program.

iii. Any 30-day rolling average during which PM CPMS output data for modified Boiler No. 3 (Source Code BO01) exceeds the operating limit established during the initial performance testing or subsequent performance testing if demonstrating compliance with the PM emission limit instead of the alternative TSM emission limit.
[Table 8 of 40 CFR 63 Subpart DDDDD]

iv. For modified Boiler No. 3 (Source Code BO01):

(A) Any 30-day rolling average during which sorbent injection rate is below the minimum rate established during the initial performance testing or subsequent performance testing or;
[Table 8 of 40 CFR 63 Subpart DDDDD]

(B) Any 30-day rolling average the SO_2 emission rate is at or below the highest hourly average SO_2 concentration measured during the HCl performance test.
[Table 8 of 40 CFR 63 Subpart DDDDD]

v. Any daily block average during which the opacity from the modified Boiler No. 3 (Source Code BO01), measured and recorded in accordance with Condition 5.2.21.b, is in excess of 10 percent or the highest hourly average opacity reading measured during the performance test run demonstrating compliance with the TSM emission limit.
[Table 4 of 40 CFR 63 Subpart DDDDD]

vi. Any 30-day rolling average during which operating load for modified Boiler No. 3 (Source Code BO01) exceeds 110 percent of the highest hourly average operating load established during initial performance testing or subsequent performance testing.
[Table 8 of 40 CFR 63 Subpart DDDDD]

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. The steam generating unit operating day records required to be maintained by Condition 6.2.29 for modified Boiler No. 3 (Source Code BO01).
[40 CFR 60.49b(i)]

Boiler No. 5 (Source Code BO03)

6.1.9 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

i. Any 30-day rolling average NO_X emission rate for modified Boiler No. 5 (Source Code BO03), measured and recorded in accordance with Condition 5.2.21.a, exceeds the emission rate calculated in accordance with Condition and 3.3.46.
[40 CFR 60.49b(h)(4)]

ii. Any 6-minute period during which the average opacity for modified Boiler No. 5 (Source Code BO03), measured and recorded in accordance with Condition 5.2.21.b, exceeds 20 percent, except one six-minute average per hour up to 27 percent need not to be reported.
[391-3-1-.02(2)(d)3]

iii. Any 30-day rolling period during which the average CO emission rate from modified Boiler No. 5 (Source Code BO03), measured and recorded in accordance with Condition 5.2.21.c, is in excess of the limit in Condition 3.3.42.c or 3.3.43.c as applicable, in ppm by volume on a dry basis corrected to 3 percent oxygen.
[40 CFR 63.7540(a)(8)]

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any 24-hour (daily) average SO_2 emission rate from modified Boiler No. 5 (Source Code BO03), measured and recorded in accordance with Condition 5.2.21.a, that exceeds 381.5 pounds per hour.
[40 CFR Part 52.21]

ii. Any 30-day rolling average NO_X emission rate for modified Boiler No. 5 (Source Code BO03), measured and recorded in accordance with Condition 5.2.21.a, exceeds 0.4 pounds per million BTU heat input.
[40 CFR Part 52.21]

iii. Any 30-day rolling average CO emission rate for modified Boiler No. 5 (Source Code BO03), measured and recorded in accordance with Condition 5.2.21.c, that exceeds 310 ppm by volume on a dry basis corrected to 8 percent oxygen.
[40 CFR Part 52.21]

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any two consecutive baghouse pressure drop readings, measured and recorded in accordance with Condition 5.2.3.b, which fall outside of the following ranges:

(A) Baghouses BH03 for modified Boiler No. 5 (Source Code BO03): The range established and submitted in accordance with Condition 6.2.41.

ii. Any instance an operational or maintenance check required by Condition 5.2.14 for Baghouse BH03 for modified Boiler No. 5 (Source Code BO3) that reveals a maintenance action level was triggered and the maintenance was not performed according to the Preventative Maintenance Program.

iii. Any 30-day rolling average during which PM CPMS output data for modified Boiler No. 5 (Source Code BO03) exceeds the operating limit established during the initial performance testing or subsequent performance testing if demonstrating compliance with the PM emission limit instead of the alterative TSM emission limit.
[Table 8 of 40 CFR 63 Subpart DDDDD]

iv. Any daily block average during which the opacity from the modified Boiler No. 5 (Source Code BO03), measured and recorded in accordance with Condition 5.2.21.b, is in excess of 10 percent or the highest hourly average opacity reading measured during the performance test run demonstrating compliance with the TSM emission limit.
[Table 4 of 40 CFR 63 Subpart DDDDD]

v. Any 30-day rolling average during which operating load for modified Boiler No. 5 (Source Code BO03) exceeds 110 percent of the highest hourly average operating load established during initial performance testing or subsequent performance testing.
[Table 8 of 40 CFR 63 Subpart DDDDD]

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. The steam generating unit operating day records required to be maintained by Condition 6.2.29 for modified Boiler No. 5 (Source Code BO03).
[40 CFR 60.49b(i)]

Boiler No. 7 (Source Code BO07)

6.1.10 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

i. Any 30-day rolling average NO_X emission rate for Boiler No. 7 (Source Code BO07), measured and recorded in accordance with Condition 5.2.34.a, exceeds the emission rate specified in Condition 3.3.50.
[40 CFR 60.49b(h)(4); 391-3-1-.02(2)(d)4(iii) Subsumed]

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any 30-day rolling average CO emission rate for Boiler No. 7 (Source Code BO07), measured and recorded in accordance with Condition 5.2.34.b, that exceeds 50 ppm by volume on a dry basis corrected to 3 percent oxygen.
[40 CFR Part 52.21]

ii. Any 30-day rolling average NO_X emission rate for Boiler No. 7 (Source Code BO07), measured and recorded in accordance with Condition 5.2.34.a, that exceeds 30 ppm by volume on a dry basis corrected to 3 percent oxygen.
[Avoidance of 40 CFR Part 52.21]

iii. Any period of operation during which the fuel burned in Boiler No. 7 (Source Code BO07) is a fuel other than that allowed by Condition 3.4.16.
[391-3-1-.03(2)(c)]

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

None required to be reported in accordance with Condition 6.1.4.

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. The steam generating unit operating day records required to be maintained by Condition 6.2.44 for Boiler No. 7 (Source Code BO07).
[40 CFR 60.49b(i)]

6.2 Specific Record Keeping and Reporting Requirements

Utility Footprint Project – NEW CONDITIONS

Boiler Nos. 3 and 5 (Source Codes BO01 and BO03)

6.2.27 The Permittee shall submit notification of the date of initial startup of modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03) as required by 40 CFR 60.7 and 40 CFR 60 .49b(a).
[40 CFR 60.49b(a)]

6.2.28 The Permittee shall record and maintain records of the amounts of each fuel combusted during each day in modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03). The facility shall use the data to calculate the annual capacity factor individually for coal, petroleum coke, natural gas, and/or wood for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.
[40 CFR 60.49b(d)(1)]

6.2.29 The Permittee shall maintain the following records for each steam generating unit operating day for the NO_X emissions from modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03):
[40 CFR 60.49b(g) and 40 CFR 60.49b(i)]

a. Calendar date.

b. The average hourly NO_X emission rates (expressed as NO_2) (ng/J or lb/million Btu heat input) measured or predicted.

c. The 30-day average NO_X emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly NO_X emission rates for the preceding 30 steam generating unit operating days.

d. Identification of the steam generating unit operating days when the calculated 30-day average NO_X emission rates are in excess of the NO_X emissions standards under 40 CFR 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.

e. Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.

f. Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.

g. Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.

h. Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system.

i. Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3.

j. Results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1.

6.2.30 The Permittee shall submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin under 40 CFR 63 Subpart DDDDD.
[40 CFR 63.7545(d)]

6.2.31 The Permittee shall submit a Notification of Compliance Status to the Division for modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03). The Notification of Compliance Status shall be submitted before the close of business on the 60th day following the completion of the initial compliance demonstration according to 40 CFR 63.10(d). The Notification of Compliance Status report must contain all the information specified in paragraphs 40 CFR 63.7545(e)(1) through 40 CFR 63.7545(e)(8) as applicable.
[40 CFR 63.9(h)(2)(ii); 40 CFR 63.7545(e)]

6.2.32 For 40 CFR Part 63, Subpart DDDDD, the Permittee shall submit periodic reports as specified in 40 CFR 63.7550 and Table 9 of 40 CFR 63 Subpart DDDDD on the schedule specified in 40 CFR 63.7550(b) and the submission dates in Condition 6.1.3 for the operation of modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03). The reports shall contain the following:
[40 CFR 63.7550]

a. Information required in 40 CFR 63.7550(c)(1) through (5); and

b. If there are no deviations from any emission limitation (emission limit and operating limit) that applies to you and there are no deviations from the requirements for work practice standards for periods of startup and shutdown in Table 3 to 40 CFR 63 Subpart DDDDD that apply, a statement that there were no deviations from the emission limitations and work practice standards during the reporting period. If there were no periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in 40 CFR 63.8(c)(7), a statement that there were no periods during which the CMSs were out-of-control during the reporting period; and

c. If you have a deviation from any emission limitation (emission limit and operating limit) where a CMS is not used to comply with that emission limit or operating limit, or a deviation from a work practice standard for periods of startup and shutdown, during the reporting period, the report must contain the information in 40 CFR 63.7550(d); and

d. If there were periods during which the CMSs, including continuous emissions monitoring system, continuous opacity monitoring system, and operating parameter monitoring systems, were out-of-control as specified in 40 CFR 63.8(c)(7), or otherwise not operating, the report must contain the information in 40 CFR 63.7550(e).

6.2.33 For 40 CFR 63 Subpart DDDDD, the Permittee shall maintain the following records for the operation of modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03).
[40 CFR 63.7555]

a. A copy of each notification and report submitted by the Permittee to comply with 40 CFR 63 Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

b. Records of performance tests, fuel analyses, or other compliance demonstrations and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

c. For each CEMS, COMS, and continuous monitoring system the Permittee you must keep records according to 40 CFR 63.7555(b)(1) through (5).

d. Records in Table 8 of 40 CFR 63 Subpart DDDDD including records of all monitoring data and calculated averages for applicable operating limits, such as opacity, pressure drop, pH, and operating load, to show continuous compliance with each emission limit and operating limit.

e. Applicable records in 40 CFR 63.7555(d)(1) through (13).

6.2.34 For 40 CFR 63 Subpart DDDDD, the Permittee shall maintain records for the operation of modified Boiler Nos. 3 and 5 (Source Codes BO01 and BO03) as follows.

a. Records shall be in a form suitable and readily available for expeditious review, according to.
[40 CFR 63.10(b)(1) and 40 CFR 63.7560(a)]

b. Records shall be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
[40 CFR 63.10(b)(1) and 40 CFR 63.7560(b)]

c. Each record shall be kept on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The Permittee can keep the records off site for the remaining 3 years.
[40 CFR 63.10(b)(1) and 40 CFR 63.7560(c)]

Boiler No. 3 (Source Code BO01)

6.2.35 Following the completion of modifications to Boiler No. 3 (Source Code BO01), if the Permittee switches fuels or makes physical changes to the boiler that results in the applicability of a different subcategory subject to 40 CFR 63 Subpart DDDDD, the boiler must be in compliance with the applicable existing source provisions of 40 CFR 63 Subpart DDDDD on the effective date of the fuel switch or physical change. Compliance must be demonstrated within 60 days of the effective date of the switch, unless the Permittee had previously conducted the compliance demonstration for the subcategory within the previous 12 months.
[40 CFR 63.7495(h) and 40 CFR 63.7510(k)]

6.2.36 Following the completion of modifications to Boiler No. 3 (Source Code BO01), if the Permittee switches fuels or makes a physical change to the boiler and the fuel switch or physical change resulted in the applicability of a different subcategory under 40 CFR 63 Subpart DDDDD, the Permittee must provide notice of the date upon which the Permittee switched fuels or made the physical change within 30 days of the switch/change. The notification must identify:
[40 CFR 63.7545(h)]

a. The name of the owner or operator of the affected source, as defined in 40 CFR 63.7490, the location of the source, the boiler(s) that have switched fuels, were physically changed, and the date of the notice.

b. The currently applicable subcategory under 40 CFR 63 Subpart DDDDD.

c. The date upon which the fuel switch or physical change occurred.

6.2.37 The Permittee shall record and maintain records of the total weight of TDF burned for each day of operation of modified Boiler No. 3 (Source Code BO01).
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.38 Within 90 days of the date on which modified Boiler No. 3 (Source Code BO01) begins operation, the Permittee shall submit an updated Preventative Maintenance Program in accordance with Condition 5.2.14. Any changes to the program shall be subject to review and, if necessary to assure compliance, modification by the Division.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.39 Within 90 days of the date on which modified Boiler No. 3 (Source BO01) begins operation, the Permittee shall submit to the Division, in writing, the pressure drop range that represents normal operation of Baghouse BH01.
[391-3-1-.03(2)(c)]

Boiler No. 5 (Source Code BO03)

6.2.40 Within 90 days of the date on which modified Boiler No. 5 (Source Code BO03) begins operation, the Permittee shall submit an updated Preventative Maintenance Program in accordance with Condition 5.2.14. Any changes to the program shall be subject to review and, if necessary to assure compliance, modification by the Division.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.41 Within 90 days of the date on which modified Boiler No. 5 (Source BO03) begins operation, the Permittee shall submit to the Division, in writing, the pressure drop range that represents normal operation of Baghouse BH01.
[391-3-1-.03(2)(c)]

Boiler No. 7 (Source Code BO07)

6.2.42 The Permittee shall submit notification of the date of initial startup of Boiler No. 7 (Source Code BO07) as required by 40 CFR 60.7 and 40 CFR 60 .49b(a).
[40 CFR 60.49b(a)]

6.2.43 The Permittee shall record and maintain records of the amount of natural gas combusted during each day in Boiler No. 7 (Source Code BO07). The facility shall use the data to calculate the annual capacity factor for natural gas for the reporting period. The annual capacity factor is determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.
[40 CFR 60.49b(d)(1)]

6.2.44 The Permittee shall maintain the following records for each steam generating unit operating day for the NO_X emissions from Boiler No. 7 (Source Code BO07):
[40 CFR 60.49b(g) and 40 CFR 60.49b(i)]

a. Calendar date.

b. The average hourly NO_X emission rates (expressed as NO_2) (ng/J or lb/million Btu heat input) measured or predicted.

c. The 30-day average NO_X emission rates (ng/J or lb/million Btu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly NO_X emission rates for the preceding 30 steam generating unit operating days.

d. Identification of the steam generating unit operating days when the calculated 30-day average NO_X emission rates are in excess of the NO_X emissions standards under 40 CFR 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.

e. Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.

f. Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.

g. Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.

h. Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system.

i. Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3.

j. Results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1.

6.2.45 The Permittee shall provide written notification to the Division of the date on which Boiler No. 7 (BO07) commences construction. Such notification shall be submitted in writing within 30 days of the dates of record. The Permittee shall submit an Initial Notification to the Division not later than 15 days after the actual start-up of Boiler No. 7 (BO07) as specified in 40 CFR 63.7545(c).
[40 CFR 60.7; 40 CFR 63.7545(c); 391-3-1-.03(2)(c)]

6.2.46 The Permittee shall submit a Notification of Compliance Status to the Division for Boiler No. 7 (Source Code BO07). The Notification of Compliance Status shall be submitted before the close of business on the 60th day following the completion of the initial compliance demonstration according to 40 CFR 63.10(d). The Notification of Compliance Status report must contain all the information specified in paragraphs 40 CFR 63.7545(e)(1) through 40 CFR 63.7545(e)(8) as applicable.
[40 CFR 63.9(h)(2)(ii); 40 CFR 63.7545(e)]

6.2.47 The Permittee shall submit periodic reports as specified in 40 CFR 63.7550 and Table 9 of 40 CFR 63 Subpart DDDDD on the schedule specified in 40 CFR 63.7550(b) for the operation of Boiler No. 7 (Source Code BO07). The reports shall contain the following:
[40 CFR 63.7550]

a. Information required in 40 CFR 63.7550(c)(1) through (5);

b. If there are no deviations from the requirements for work practice standards in Table 3 of 40 CFR 63 Subpart DDDDD that apply, a statement that there were no deviations from the work practice standards during the reporting period; and

c. If there is a deviation from a work practice standard during the reporting period, the report must contain the information in 40 CFR 63.7550(d).

6.2.48 The Permittee shall maintain the following records for the operation of Boiler No. 7 (Source Code BO07).
[40 CFR 63.7555]

a. A copy of each notification and report submitted by the Permittee to comply with 40 CFR 63 Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance reports, according to the requirements in 40 CFR 63.10(b)(2)(xiv).

b. Applicable records in 40 CFR 63.7555(d)(1) through (13).

6.2.49 For 40 CFR 63 Subpart DDDDD, the Permittee shall maintain records for the operation of Boiler No. 7 (Source Code BO07) as follows.

a. Records shall be in a form suitable and readily available for expeditious review, according to.
[40 CFR 63.10(b)(1) and 40 CFR 63.7560(a)]

b. Records shall be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
[40 CFR 63.10(b)(1) and 40 CFR 63.7560(b)]

c. Each record shall be kept on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The Permittee can keep the records off site for the remaining 3 years.
[40 CFR 63.10(b)(1) and 40 CFR 63.7560(c)]

PSD Analysis

6.2.50 For the Utility Footprint Project as described in Application No. 873390, the Permittee shall document and maintain a record of the following information:
[391-3-1-.02(7)(b)15.(i)(I)]

a. Description of project;

b. Identification of the emissions unit(s) whose emissions of a regulated NSR pollutant could be affected by the project; and

c. A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emission, the projected actual emissions, the amount of emissions excluded under 40 CFR 52.21(b)(41)(ii)(c) and an explanation for why such amount was excluded, and any netting calculations, if applicable.

d. The records required by this Condition shall be retained for a period of 10 years following resumption of regular operations after the change, or for a period of 15 years following resumption of regular operations after the change if the project increased the design capacity of or potential to emit of a regulated NSR pollutant at such emission unit.

6.2.51 For the modification described in Application No. 873390, the Permittee shall monitor the emissions of any regulated pollutant from the facility that could increase as a result of the modification and calculate and maintain a record of the annual emissions, in tons-per-year on a calendar year basis, for a period of five years following resumption of regular operations after the change, or for a period of ten years following resumption of regular operations after the change if the project increases the design capacity of or potential to emit that regulated NSR pollutant at such emissions unit. These records shall be retained for a period of five years past the end of each calendar year. If the Permittee is required to or elects to exclude emissions associated with startups, shutdowns, and/or malfunctions from estimations of projected actual emissions for PSD applicability purposes as allowed by Georgia Rule 391-3-1-.02(7)(a)2.(ii)(II)II, the Permittee may exclude such emissions from the calculation of annual emissions.
[391-3-1-.02(7)(b)15.(i)(III)]

6.2.52 For the modification described in Application No. 873390, if the Permittee excluded demand growth emissions from the projected actual emissions for a project and that project is subject to the requirements of Georgia Rule 391-3-1-.02(7)(a)2.(ii)(II)III.A.(B), the Permittee shall calculate the actual increase in emissions due to demand growth, in tons per year on a calendar year basis, for a period of 10 years following resumption of regular operations after the change. These records shall be retained for a period of 5 years past the end of each calendar year.
[391-3-1-.02(7)(b)15.(i)(IV)]

6.2.53 For the modification described in Application No. 873390, the Permittee shall submit a report to the Division within 60 days after the end of each year during which records must be generated under Conditions 6.2.51 and 6.2.52 detailing the annual emissions, and if applicable, the actual increase in emissions due to demand growth during the calendar year that preceded submission of the report.
[391-3-1-.02(7)(b)15.(i)(V)]

PART 7.0 OTHER SPECIFIC REQUIREMENTS

7.14 Specific Conditions Associated with this Amendment

Utility Footprint Project – NEW CONDITION

7.14.1 The following conditions related to Boilers Nos. 3, 5, and 7 (Source Codes BO01, BO03, and BO07) will experience no changes, become null and void, or become effective as a result of the Utility Footprint Project.

No Changes	Become Null and Void	Become Effective
3.2.3 – 3.2.5	3.3.6 – 3.3.16	3.2.15 – 3.2.2
3.3.1	3.4.3 – 3.4.5	3.2.28 – 3.3.50
3.3.3 – 3.3.5	4.2.1 – 4.2.4	3.4.11 – 3.4.16
5.2.3.a and b	5.2.1.a and b	4.2.8 – 4.2.18
5.2.14	5.2.2.a	5.2.20 – 5.2.40
5.2.17	5.2.4 – 5.2.13	6.1.8 – 6.1.10
6.1.c.iii and iv	5.2.16	6.2.27 – 6.2.53
	5.2.18	
	6.1.7.a.i – ii	
	6.1.7.b.iii – viii	
	6.1.7.c.i and ii	
	6.1.7.d.ii	
	6.2.3	
	6.2.7 – 6.2.10	

Attachments

B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups

ATTACHMENT B

NOTE: Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Scrap Wood Grinding	1
Sand Bin Vent	1
Tanks	18
Cooling Towers	10